

Alexander Roman Oshmyansky, MD, PhD

Recent Professional Positions

Mark Cuban Cost Plus CEO, Founder

Drug Company

June 2018 - Present

- Created public benefit corporation to manufacture and sell affordable medicines
- Radically reduced price of hundreds of drugs
- Built sterile fill-finish facility to manufacture sterile injectable drugs, capacity 2M units per year, estimated start of commercial sales in June 2023
- Established new DTC mail order pharmacy with \$20M+ annual revenue, continued 20% MoM growth rate to this day
- Built pharmacy employee benefit offering with 100k+ lives under management, several PBMs, insurance companies, and fortune 500 companies as clients
- Built pharmaceutical wholesale business with several large national health systems as clients.
- Managed biosimilar R&D program at Swiss CDMO
- Raised financing from top investors including Mark Cuban Companies, Maveron Venture Partners, and Y-Combinator.
Profiled in the *Wall Street Journal*, *New York Times*, *Washington Post*, *Fortune Magazine*, *Forbes*, *Inc.*, *Business Insider*, among others

Vision Radiology

June 2015 – Present

Emergency Radiologist

- Provider of high-volume emergency radiology services in over 20 states
- High volume interpretations, ~10 cross sectional studies interpreted per hour with all interpretations called in to referring physicians.
- Provided sub-specialty reads in pediatric radiology.

Stanford University

March 2016 – Feb 2020

Consulting Assistant Professor / Adjunct Lecturer

- Teaching appointment in the department of pediatric radiology

Akibimi Productions, LLC

July 2015 – January 2019

Managing Partner, Founder

- Produced, directed, and wrote world's first feature length virtual reality film, released March 2016 at South by Southwest Film Festival.
- Produced VR documentary of battle of Mosul in Iraq, co-produced with A-List Hollywood director Peter Berg and Film 45
- Investor in Pulitzer Prize winning Broadway play *Sweat*

Education and Post-Graduate Medical Training

Johns Hopkins Hospital

July 2010 –
June 2015

- Diagnostic Radiology Residency
- Pediatric Radiology Fellowship

Harvard Medical School

Brigham and Women's Hosp.

July 2009 –
June 2010

- General Surgery Intern

University of Oxford

October 2005 –
October 2013

- PhD (*DPhil Oxon.*) in mathematics
- Research on mathematical modelling of seizures
- Awarded Marshall Scholarship, full tuition/fees

Duke University School of Medicine

August 2003 –
May 2009

- MD

University of Colorado at Boulder

August 2002 –
May 2003

- BA, Biochemistry
- 3.91/4.00 GPA, *with distinction*
- Graduated in 1 year at age 18

Other Work Experience / Academic Appointments / Internships

Altitude Medical, Inc.

June 2007 - January 2015

Founding CEO, Part-time CFO

- Founded, invented products, recruited initial team, raised ~\$7M financing, and brought products to market.
- Company continuously operating for 15 years
- Company written about in *Wired.com*, *FastCompany*, *Business Insider*, and several other news outlets. Winner of Edison Award, nominated for FastCo Design, Ivy Innovator awards.

Queensland University of Technology

Brisbane, Australia

October 2014-October 2015

Adjunct Associate Professor of Mathematical Sciences

- Appointed as Adjunct Professor of Mathematics to help develop a research program in Mathematical Medicine.
- Provide clinical data for statistical analysis to team of post-docs and graduate students

ABC News

New York, NY

June 2013

Medical Journalism Rotation

- Wrote and fact-checked medical articles for all ABC News shows including *ABC World News*, *Good Morning America*, etc.
- Worked directly under ABC News Chief Medical Correspondent Richard Besser

Boston Consulting Group

Atlanta, GA

June – August 2007

Summer Consultant

- Worked as a management consultant for a large regional hospital group.
- Helped evaluate hospital acquisition and expansion strategy

National Institutes of Health

Washington, DC

June - August 2003

Research Fellow

- Began image processing work, specifically on solving problem of finding optimal stopping time for image denoising algorithms

Additional Information

Achievements

- Academic awards include Marshall Scholarship, Siemens-Westinghouse AP Scholarship, Boettcher Foundation Scholarship, MSTP Scholarship
- Winner Multiple International Business Plan Competitions
- Graduated college and entered medical school at age 18
- Hobbies: 6 marathons run

Invited Lectures

- Informational Session, US Congress, March 2022
- Grand Rounds, University of Minnesota, November 2021
- Grand Rounds, Mt. Sinai Hospital, NY, March 2022
- Guest Lecture, Johns Hopkins Bloomberg School of Public Health, Pharmaceutical Pricing Course, May 2021, 2022
- Keynote address, Society of Refugee Healthcare Providers, June 2022
- Invited lecture, HLTH Conference, October 2021
- Panel Discussion, Association for Accessible Medicines, February 2022
- Invited lecture, Council of Insurance Agents and Brokers, February 2022
- Panel Discussion, Stat Breakthrough Science Summit, March 2022
- Panel Discussion, Fortune Brainstorm Health, May 2022
- Invited talk, Purchaser's Business Group on Health, March 2022

- Invited talk, Health Plan Alliance Board, March 2022
- Panel Discussion, Health Connect New Orleans, May 2022
- Panel Discussion, Fortune Brainstorm Health, May 2022
- Invited Talk, Harvard Medical School, PORTAL Group, July 2022
- Grand Rounds, Mayo Internal Medicine, August 2022

Other Appointments

Visiting Fellow in the School of Mathematical Sciences, Queensland University of Technology, Oct 1st-Oct 8th 2014

Publications

Patents:

Oshmyansky A. Device to Promote Hand Sanitation. US Patent 60/933,118. European Patent No. 2,428,627 A1 (Granted in US, Europe, and Australia, Pending in other PTO Jurisdictions).

Gardiner V, McKnight J, **Oshmyansky A.** Method and Apparatus for Dispensing Sanitizer Fluid. US Patent 8,408,423 B1. (Granted)

Gardiner V, McKnight J, Tavin A, Heropolous GW, **Oshmyansky A**, Nicolau DV Jr. Method and Apparatus for Dispensing Sanitizer Fluid. US Patent 8,505,782 B1. (Granted)

Gardiner V, Gilbert R, Palin D, McKnight J, **Oshmyansky A.** Method and Apparatus for Dispensing Sanitizer Fluid. US Patent 8,636,177 B1. (Granted)

Oshmyansky A. Stockings for Prevention and Treatment of Deep Venous Thrombosis Incorporating Ultrasound. US Patent 11/821942. (Pending)

McKnight J, Gilbert R, **Oshmyansky A.** Method and Apparatus for Dispensing Sanitizer Fluid. US Patent 12/930607. (Provisional)

McKnight J, Gilbert R, Patterson AW, Laws MD, **Oshmyansky A.** Method and Apparatus for Monitoring Use of Sanitizer Fluid Relative to Door Opening. US Patent 61/693827 (Provisional)

Books and Book Chapters:

Co-author of: Tao T. et al. *USMLERx Step 2 Q & A*, an online test-prep question bank to become a book.

Oshmyansky A, Huisman AGM. (2015). Pediatric Chest Tumors Including Lymphoma. In *Proceedings of International Diagnostic Course: Pediatric Satellite Course*.

Journal Articles

Zamora CA, **Oshmyansky A**, Bembea M, Berkowitz I, Alqahtan E, Huisman TAGM, Tekes A. *Resistive index variability may predict cerebrovascular complications during ECMO*. European Radiology (*In submission*).

Wagner MW, Kontzialis M, Seeburg D, Stern SE, **Oshmyansky A**, Poretti A, Huisman AGM. Pediatric Brain MRI: Can Axial T2-weighted Imaging Serve as a Valuable Screening Sequence? J Neuroimaging. 2015 Oct (Epub ahead of print).

Wagner MW, Stern SE, **Oshmyansky A**, Huisman AGM, Poretti A. *Can ADC Based Thermometry reliably determine the intraventricular temperature of the brain in newborns and children?* J Neuroimaging. 2015 Dec (Epub ahead of print).

Orman G, Wagner MW, Seeburg D, Zamora CA, **Oshmyansky A**, Hines L, Tekes A, Poretti A, Huisman AGM, Bosemani T. *Pediatric skull fracture: should 3D CT reconstructions be added as routine imaging?* J Neurosurgery Pediatr. 2015 Oct; 16(4):426-31.

Wagner MW, Bosemani T, **Oshmyansky A**, Poretti A, Huisman TA. *Neuroimaging Findings in Pediatric Cerebral Sinovenous Thrombosis*. Childs Nerv. Syst. 2015 May; 31(5):705-12.

Verde, F, Northcutt, B, **Oshmyansky, A**, Johnson PT. *MDCT of adrenal masses: can dual phase enhancement patterns distinguish between adenoma and pheochromocytoma?* Am J Roentgenology. 2013 Oct; 201(4):834-9.

Oshmyansky A. Mahammedi A, Dackiw A, Ball DW, Zeiger MA, Siegelman SS. *Serendipity in the Diagnosis of Pheochromocytoma*. 2012 Sept-Oct; 37(5):820-3.

Mahammedi A, **Oshmyansky A.** Hassoun PM, Siegelman SS. *Pulmonary Artery Measurements on Thoracic CT in Pulmonary Artery Hypertension*. J Thoracic Imaging. 2013 Mar; 28(2):96-103.

Nicolau DV Jr, Kith G, **Oshmyansky A.** *Evidence for a simple linear relationship between MRSA rates and hand-washing compliance*. J Hosp Infect. 2010 Jun;75(2):140-1.

Oshmyansky A, Grunewald K, Bowsher JE, Belnap DM, Steven AC. *A novel stopping time criterion for nonlinear anisotropic diffusion filtering and other image reconstruction processes*. Medical Physics (Accepted for publication).

Knight R, De Sterck H, Markel R, Smit S, **Oshmyansky A**, Yarus M. *Abundance of correctly folded RNA motifs in sequence space, calculated on computational grids*. Nucleic Acids Res. 2005 Oct 19;33(18):5924-35.

Oshmyansky A. *A Proposed Casimir-Like Effect Between Contaminants in Ideal Bose-Einstein Condensates*. arXiv:hep-th/0703211.

Oshmyansky A. *A Proposed Alternative Low Energy Quantum Field Theory of Gravity Based on a Bose-Einstein Condensate Effect*. arXiv:hep-th/0703077.

Poster Presentations:

Oshmyansky A. *A Proposed Casimir-Like Effect Between Contaminants in Ideal Bose-Einstein Condensates*. Conference of the Middle European Cooperation on Statistical Physics 33 (2008). Puchberg/Wels, Austria.

Oral Presentations:

Orman G, Wagner MW, Seeburg D, Zamora CA, **Oshmyansky A**, Hines L, Tekes A, Poretti A, Huisman AGM, Bosemani T. *Value of Multiplanar Three-Dimensional Reconstruction of Head Computed Tomography in the Diagnosis of Pediatric Skull Fractures*. American Society of Neuroradiology Meeting, Montreal, CA 2014